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FIGURE 1

GGCGTCCGCGCACACCTCCCCGCGCCGCGCCGCCACCGCCCGCACTCCGCGCGCTCTGCCCCGCAACCGCT
GAGCCATCCATGGGGGTGCGGGGCGGCAACCGTCCCGGGGCGGCGCTGGGCGGTGCTGCTGCTGCTGCTGCT
GCTGCCGCGCACTGCTGCTGCTGGCGGGGGCGGTCCCGCGGGTGGGGCCGTGCCGCGGGGCGGCGAGGAGG
ATGTAGATGAGTGTGCCAAGGGCTAGATGACTGCCATGCCGACGCCCTGTGTGAGAACACACCCACCTCC
TACAAGTGCTCCTGCAAGCCTGGCTACCAAGGGGAAGGCAGGCAGTGTGAGGACATCGATGAATGTGGAAA
TGAGCTCAATGGAGGCTGTGTCCATGACTGTTTGAATATTCCAGGCAATTATCGTTGCACTTGTTTTGATG
GCTTCATGTTGGCTCATGACGGTCATAATTGTCTTGATGTGGACGAGTGCCTGGGAGAACATGGCGGCTGC
CAGCATACCTGTGTCAACGTATGGGGAGCTATGAGTGTGCTGCAAGGAGGGGTTTTCTCTGAGTGACAA
TCAGCACACCTGCATTACCGCTCGGAAGAGGGCCTGAGCTGCATGAATAAGGATCACGGCTGTAGTCACA
TCTGCAAGGAGGCCCAAGGGGAGCGTGCCTGTGAGTGCAGGCCTGGTTTTGAGCTGGCCAAGAACCCAG
AGAGACTGCATCTTGACCTGTAACCATGGGAACGGTGGGTGCCAGCACTCCTGTGACGATACAGCCGATGG
CCCAGAGTGCAGTGCCTCCACAGTACAAGATGCACACAGATGGGAGGAGCTGCCTTGAGCGAGAGGACA
CTGTCTTGAGGTGACAGAGAGCAACACCACATCAGTGGTGGATGGGGATAAACCGGTGAAACGGCGGCTG
CTCATGGAACGTGTGCTGTCAACAATGGAGGCTGTGACCGCACCTGTAAGGATACTTCGACAGGTGTCCA
CTGCAGTTGCTGTTGGATTCACTCTCCAGTTGGATGGGAAGACATGTAAAGATATTGATGAGTGGCAGA
CCCCGAATGGAGGTGTGATCATTCTGCAAAAACATCGTGGGCAGTTTTGACTGCGGCTGCAAGAAAGGA
TTTAAATTATTAACAGATGAGAAGTCTTGCCAAGATGTGGATGAGTGTCTTTGGATAGGACCTGTGACCA
CAGCTGCATCAACCACCCTGGCACATTTGCTTGTGCTTGCAACCGAGGGTACACCCTGTATGGCTTCACCC
ACTGTGGAGACACCAATGAGTGCAGCATCAACAACGGAGGCTGTGAGCAGGTCTGTGTGAACACAGTGGGC
AGCTATGAATGCCAGTGCCACCCTGGGTACAAGCTCCACTGGAATAAAAAAGACTGTGTGGAAGTGAAGGG
GCTCCTGCCACAAGTGTGTACCCCGTGTGTCCCTGCACTGCGGTAAAGAGTGGTGGAGGAGACGGGTGCT
TCCTCAGATGTCACTCTGGCATTCACCTCTCTTCAGATGTCAACCACCATCAGGACAAGTGTAACTTTAAG
CTAAATGAAGGCAAGTGTAGTTTGAAAAATGCTGAGCTGTTTCCCGAGGGTCTGCGACCAGCACTACCAGA
GAAGCACAGCTCAGTAAAGAGAGCTTCCGCTACGTAAACCTTACATGCAGCTCTGGCAAGCAAGTCCCAG
GAGCCCCTGCGCGACCAAGCACCCCTAAGGAAATGTTTATCACTGTTGAGTTTGAGCTTGAAACTAACCAA
AAGGAGGTGACAGCTTCTTGTGACCTGAGCTGCATCGTAAAGCGAACCGAGAAGCGGCTCCGTAAAGCCAT
CCGCACGCTCAGAAAGGCCGTCCACAGGGAGCAGTTTACCTCCAGCTCTCAGGCATGAACCTCGACGTGG
CTAAAAAGCCTCCCAGAACATCTGAACGCCAGGCAGAGTCTGTGGAGTGGGCCAGGGTCTATGCAGAAAAC
CAATGTGTCAAGTGCAGGGCTGGGACCTATTATGATGGAGCACGAGAACGCTGCATTTTATGTCCAAATGG
AACCTTCCAAAATGAGGAAGGACAAATGACTTGTGAACCATGCCCAAGACCAGGAAATTTCTGGGGCCCTGA
AGACCCCAAGCTTGAATATGTCTGAATGTGGAGGTCTGTGTCAACCTGGTGAATATTCTGCAGATGGC
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TTTGGAATAAATAATTGTGTTTCTTGCCAGGAATACTACGACTGACTTTGATGGCTCCACAAACATAAC
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GTGGTCCCTGAGATCTTCTGCCCATAGAGGACGACTGTGGGACTATCTGGTGATGCGGAAAACTCTTC
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AGAAGCTGTGGATTCAAGTCCAATGAAGGGAACAGCGCTAGAGGGTCCAGGTCCCATACGTGACA
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TCCAGGTTTTTTGAGACCTTACAAATGACTCAGCCCACGTGCCACTCAATACAAATGTTCTGCTATAGGGTT
GGTGGGACAGAGCTGTCTTCTTCTGCATGTGACACAGTCCGGTATTGCTGCCTCCCGTATCAGTGACTC
ATTAGAGTTCATTTTTATAGATAATACAGATATTTTGGTAAATTGAACCTGGTTTTTCTTTCCAGCATC
GTGGATGTAGACTGAGAAATGGCTTTGAGTGGCATCAGCTTCTCACTGCTGTGGGCGGATGTCTTGATAGA
TCACGGCTGGCTGAGCTGGACTTTGGTCAGCCTAGGTGAGACTCACCTGTCTTCTGGGGTCTTACTCCT
CCTCAAGGAGTCTGTAGTGGAAAGGAGGCCAGAGAATAAGCTGCTTATTCTGAACTTCAGCTTCTCTTAG
CCCGGCCCTCTCTAAGGGAGCCCTCTGCACTCGTGTGCAGGCTCTGACCAGGCAGAACAGGCAAGAGGGGA
GGGAAGGAGACCCCTGCAGGCTCCCTCCACCCACCTTGAGACCTGGGAGGACTCAGTTTCTCCACAGCCTT
CTCCAGCCTGTGTGATACAAGTTTGATCCAGGAACCTGAGTTCTAAGCAGTGTCTGTGAAAAAAGGAGC
AGAAAGAATTAGAAATAAATAAAAACTAAGCACTTCTGGAGACAT

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FIGURE 2

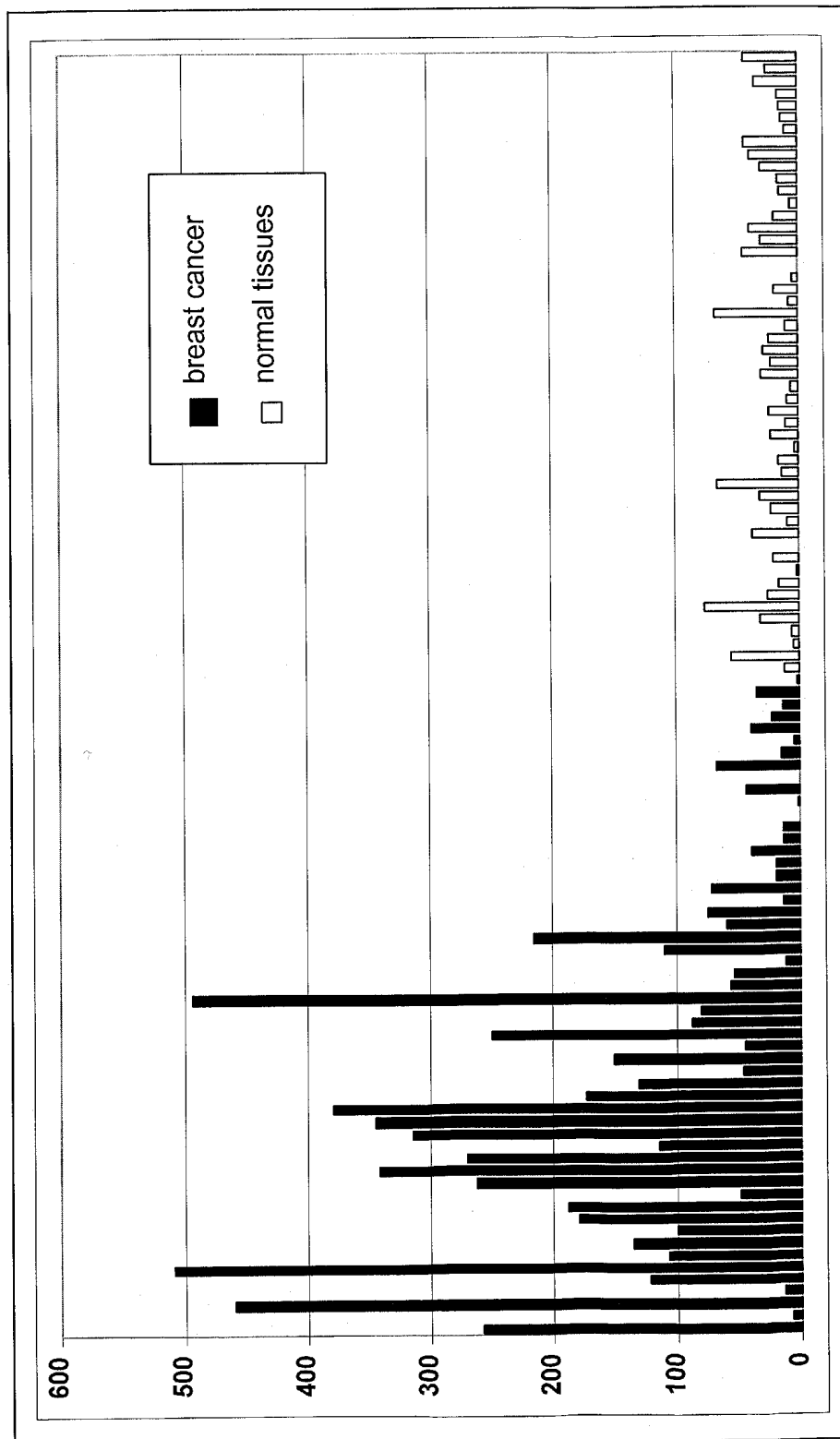
MGVAGRNRPGAAWAVLLLLLLLLPPLLLLAGAVPPGRGRAAGPQEDVDECAQGLDDCHADALCQNTPTS YKC
 SCKPGYQGEGRQCEDIDECGNELNGGCVHDCLNIPGNYRCTCFDGFMLAHDGHNCLDVDECLENNNGGCQHT
 CVNVMGSYECCCKEGFFLSDNQHTCIHRSEGLSCMNKDHGCSHICKEAPRGSVACECRPGFELAKNQDC
 ILTCNHGNGGCQHSCDDTADGPECSCHPQYKMHTDGRSCLEREDTVLEVTESENTTSVVDGDKRVKRRLLME
 TCAVNNGGCDRTCKDTSTGVHCSCPVGFTLQLDGKTCKDIDECQTRNGGCDHFCKNIVGSFDCGCKKGFKL
 LTDEKSCQDVDECSLDRTCDHSCINHPGTACACNRGYTLYGFTHCGDTNECSINNGGCQQVCVNTVGSYE
 CQCHPGYKLHWNKKDCVEVKGLLPTSVSPRVSLHCGKSGGGDGCFLRCHSGIHLSSDVTTIRTSVTFKLNE
 GKCSLKNAELFPEGLRPALPEKHSSVKESFRYVNLTCSSGKQVPGAPGRPSTPKEMFITVEFELETNQKEV
 TASCDLSCIVKRTEKRLRKAIRTLRKAVHREQFHLQLSGMNLDAKKPPRTSERQAESCQVGGQGHAEHQCV
 SCRAGTYD GARERCILCPNGTFQNEEQMTCEPCPRPGNSGALKTPEAWNMSECGGLCQPGEYSADGFAP
 CQCALGTFQPEAGRTSCFPCGGGLATKHQGATSFQDCETRVCSPGHFYNTTTHRCIRCPVGTYPQPEFGK
 NNCVSCPGNTTTDFDGSTNITQCKNRRCGGELGDFGTGYIESPNYPGNYPANTECTWTINPPPKRRILIVVP
 EIFLPIEDDCGDYLVMRKTSSSNSVTYETCQTYERPIAFTSRSKKLWIQFKNEGNSARGFQVPYVTYDE
 DYQELIEDIVRDGRLYASENHQEILKDKKLIKALFDVLAHPQNYFKYTAQESREMFPRSFIRLLRSKVS RF
 LRPYK

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FIGURE 3



APPROVED	O.G. FIG.	
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BCO2_human
BCO2_mouse

IQFKSNEGNSARGFQVPYVITYDEDYQELIEDIVRDGRLYASENHQEILKDKKLIKALFDV
IQFKSNEGNSARGFQVPYVITYDEDYQELIEDIVRDGRLYASENHQEILKDKKLIKALFDV

BCO2_human
BCO2_mouse

LAHPQNYFKYTAQESREMFPRSFIIRLLRSKVSRLRPYK
LAHPQNYFKYTAQESREMFPRSFIIRLLRSKVSRLRPYK

FIGURE 4B

001221 124450